

**AMENDMENTS TO THE SPECIFICATION**

Please amend the paragraph beginning on line 3 of page 12 to read as follows:

Conversely, when it is desired to measure the contact resistance 36, the switch 42 is activated to an open position which simultaneously closes the switch 80. With the switch 42 in an open position, the high impedance input 72 of the buffer [[80]] 70 is electrically connected in series with the second end 16 of the resistive strip 12. In doing so, the current through the lower resistor 28 is essentially zero so that the voltage level at the buffer input 72 equals the voltage potential at the point of contact between the wiper 20 and the resistive strip 12. This output signal  $V_{rtu}$  represents the voltage at the junction of the wiper 20 with the strip 12.